

**ExxonMobil  
Refining & Supply Company**

Global Remediation

4096 Piedmont Avenue #194  
Oakland, California 94611  
510.547.8196  
510.547.8706 Fax  
jennifer.c.sedlachek@exxonmobil.com

**Jennifer C. Sedlachek**  
Project Manager

**ExxonMobil**  
*Refining & Supply*

January 19, 2006

Mr. Tom Sayles  
California Regional Water Quality Control Board  
Central Coast Region  
895 Aerovista Place, Suite 101  
San Luis Obispo, California 93401

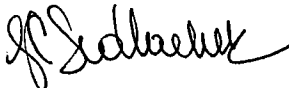
**RE: Former Mobil RAS #10-HMG/1203 Mission Street, Santa Cruz, California.**

Dear Mr. Sayles:

Attached for your review and comment is a copy of the letter report entitled *Additional Information for Case Closure*, dated January 19, 2006, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Petaluma, California, and provides information regarding the subject site.

If you have any questions or comments, please contact me at 510.547.8196.

Sincerely,

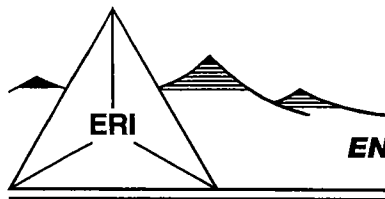


Jennifer C. Sedlachek  
Project Manager

**Attachment:** ERI's Additional Information for Case Closure, dated January 19, 2006.

**cc:** w/ attachment  
Mr. Steve Biaocchi, County of Santa Cruz Environmental Health Services

w/o attachment  
Ms. Paula Sime, Environmental Resolutions, Inc.



**ENVIRONMENTAL RESOLUTIONS, INC.**

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January 19, 2006  
ERI 256114.R03

Ms. Jennifer C. Sedlachek  
ExxonMobil Refining & Supply - Global Remediation  
4096 Piedmont Avenue  
Oakland, California 94611

**SUBJECT** Additional Information for Case Closure  
Former Mobil Service Station 10-HMG  
1203 Mission Street, Santa Cruz, California

Ms. Sedlachek:

At the request of ExxonMobil Oil Corporation (ExxonMobil), and pursuant to discussions and electronic correspondence with the California Regional Water Quality Control Board, Central Coast Region (the Regional Board), Environmental Resolutions, Inc. (ERI) has compiled this additional information pertaining to closure of the environmental case at the subject site. ERI previously submitted a *Supplemental Information Package and Recommendation for Closure* on August 31, 2004; a *Background Information Report* on September 24, 2004; and a *Revised Request for Case Closure Package* on March 11, 2005. Subsequently, the Regional Board requested ERI submit tables summarizing cumulative soil analytical results, an updated Site Closure Summary, list of site landowners, a landowner notification letter, and a list of landowners within 200-foot radius of the site.

Cumulative soil analytical data is summarized in Table 1. Historical soil sample locations are shown on Plate 1. The locations of soil samples collected during excavation activities in 1990 to 1991 are shown on the map included in Attachment A. Soil vapor analytical data is summarized in Table 2. Historical soil vapor sampling locations are shown on Plate 2.

As requested by the Regional Board, ERI has updated the Case Closure Summary form for the site using the results of the third quarter 2005 monitoring and sampling event for on-site wells MW1 through MW4 only. The updated Site Closure Summary form is included in Attachment B.

The site is currently owned by The Lopina Partners, a private party, and operated as a medical clinic. The list of landowners for the site is provided in Attachment C. Landowners for properties within 200-foot radius of the site are listed in Table 3. Land use within a 200-foot radius of the site is shown on Plate 3. The landowner notification letter, notifying the current landowner of ExxonMobil's intent to pursue closure of the environmental case at the site, was originally mailed on October 27, 2005; a copy is provided for reference in Attachment D.

## DOCUMENT DISTRIBUTION

ERI recommends submitting a copy of this additional closure information to:

Mr. Tom Sayles  
California Regional Water Quality Control Board  
Central Coast Region  
895 Aero Vista Place, Suite 101  
San Luis Obispo, California 93401

Mr. Steve Biaocchi  
County of Santa Cruz Environmental Health Services  
701 Ocean Street, Room 312  
Santa Cruz, California 95060

## LIMITATIONS

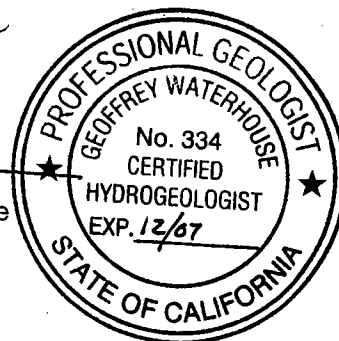
This report was prepared in accordance with generally accepted standards of environmental practice in California at the time this investigation was performed. This report has been prepared for ExxonMobil, and any reliance on this report by third parties shall be at such party's sole risk.

Please call Ms. Paula Sime, ERI's project manager for this site, at (707) 766-2000 with questions regarding this submittal.

Sincerely,  
Environmental Resolutions, Inc.

SCANNED  
IMAGE  
Paula Sime  
Project Manager

*Geoffrey V. Waterhouse*  
Geoffrey V. Waterhouse  
R.G. 5019  
C.H.G. 334  
C.E.G. 1571



Attachments:	Table 1:	Cumulative Soil Analytical Results
	Table 2:	Cumulative Soil Vapor Analytical Data
	Table 3:	List of Landowners Within 200-Foot Radius
	Plate 1:	Extended Site Plan
	Plate 2:	Soil Vapor Sample Locations
	Plate 3:	List of Landowners Within A 200-Foot Radius
	Attachment A:	Soil Sample Locations During 1990 to 1991 Excavation Activities
	Attachment B:	Case Closure Summary Form (Updated Third Quarter 2005)
	Attachment C:	List of Landowners (Site)
	Attachment D:	Landowner Notification Letter

**TABLE 1**  
**CUMULATIVE SOIL ANALYTICAL RESULTS**  
Former Mobil Service Station 10-HMG  
1203 Mission Street  
Santa Cruz, California  
(Page 1 of 4)

Sample Location	Date Sampled	Depth (fbgs)	TPHg (mg/Kg)	B (mg/Kg)	T (mg/Kg)	E (mg/Kg)	X (mg/Kg)
<b><u>Groundwater Monitoring Wells*</u></b>							
MW-4 (8)	12/28/88	8.0	<1.0	0.23	<0.1	<0.1	<0.1
MW-5 (4.5)	12/28/88	4.5	870	0.93	20	19	98
MW-6 (4.5)	12/28/88	4.5	<1.0	<0.05	<0.1	<0.1	<0.1
MW-7	06/05-06/91	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
MW-8	06/05-06/91	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
MW-9	06/05-06/91	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
MW-10	11/12/91	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
<b><u>On-Site Borings</u></b>							
EB-1-5	10/08/88	5.0	1100a	2.9	19	29	150
EB-1-7.5	10/08/88	7.5	2.7a	0.072	<0.1	<0.1	0.33
EB-2-5	10/08/88	5.0	1200a	12	62	47	250
EB-2-8	10/08/88	8.0	56a	1.2	3.1	1.6	7.4
EB-3-5	10/08/88	5.0	130a	0.57	2.2	3.4	14
EB-4-5	10/08/88	5.0	2000a	23	170	72	390
EB-4-7.5	10/08/88	7.5	56a	3.9	9.0	2.4	8.7
EB5-5	10/08/88	5.0	3300a	61	350	130	580
EB5-7.5	10/08/88	7.5	14a	0.23	1.3	0.26	1.2
B1-5 b	09/14/89	5.0	ND	ND	0.073	ND	ND
B1-7 b	09/14/89	7.0	5.9	0.0044	0.093	0.039	0.21
B1-15 b	09/14/89	15.0	ND	ND	1.700	0.014	0.063
B1-20 b	09/14/89	20.0	ND	ND	0.800	0.0042	0.018
B2-5 b	09/14/89	5.0	ND	0.100	0.076	0.037	0.079
B2-7 b	09/14/89	7.0	7	0.340	0.680	0.140	0.610
B2-15 b	09/14/89	15.0	ND	ND	0.350	ND	ND
(P1) B3-5 b	09/14/89	5.0	ND	0.570	0.420	ND	0.720
(P1) B3-7 b	09/14/89	7.0	7,200	51.000	320.000	110.000	510.000
(P1) B3-14 b	09/14/89	14.0	ND	0.0054	3.600	0.026	0.110
B4-7 b	09/14/89	7.0	23	0.810	1.100	0.230	0.970
B4-15 b	09/14/89	15.0	ND	ND	2.700	ND	ND
<b><u>Off-Site Borings September 1989</u></b>							
OB1-6 b	09/14/89	6.0	ND	ND	ND	ND	ND
OB2-6 b	09/14/89	6.0	ND	ND	ND	ND	ND
OB3-4 b	09/14/89	4.0	ND	ND	ND	ND	ND
OB4-6 b	09/14/89	6.0	1.7	ND	0.12	ND	0.12
OB5-4 b	09/14/89	4.0	ND	ND	ND	ND	ND
OB6-4 b	09/14/89	4.0	ND	ND	ND	ND	ND
OB6-6 b	09/14/89	6.0	10	ND	ND	0.13	0.44

**TABLE 1**  
**CUMULATIVE SOIL ANALYTICAL RESULTS**  
Former Mobil Service Station 10-HMG  
1203 Mission Street  
Santa Cruz, California  
(Page 2 of 4)

Sample Location	Date Sampled	Depth (fbs)	TPHg (mg/Kg)	B (mg/Kg)	T (mg/Kg)	E (mg/Kg)	X (mg/Kg)
<b>Off-Site Borings March and September 1990</b>							
OB-7A	03/28/90	not provided	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
OB-8	03/28/90	not provided	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
OB-9	03/28/90	not provided	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
OB-10B	03/28/90	not provided	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
OB-11	09/12/90	not provided	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
OB-12	09/12/90	not provided	<1.0	0.0052	0.010	<0.0050	<0.0050
OB-13	09/12/90	not provided	<1.0	<0.0050	0.0077	0.018	0.12
<b>Off-Site Borings March 1992</b>							
OB-1-1.5	03/23/92	1.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
OB-1-5.5	03/23/92	5.5	1.9	0.01	<0.0050	<0.0050	<0.0050
OB-2-1.5	03/23/92	1.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
OB-2-4.3	03/23/92	4.3	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
OB-3-1.75	03/23/92	1.75	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
OB-3-4.75	03/23/92	4.75	1.9	<0.0050	<0.0050	<0.0050	0.041
OB-4-1.25	03/23/92	1.25	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
OB-4-5.0	03/23/92	5.0	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
OB-5-1.3	03/23/92	1.3	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
OB-5-5.5	03/23/92	5.5	51	<0.010	0.036	0.063	1.2
OB-6-1.3	03/23/92	1.3	1.2	<0.0050	<0.0050	<0.0050	0.011
OB-6-5.2	03/23/92	5.2	1.6	0.01	<0.0050	0.005	0.038
OB-7-1.6	03/23/92	1.6	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
OB-7-5.1	03/23/92	5.1	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
OB-8-1.5	03/23/92	1.5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
OB-8-5.6	03/23/92	5.6	<1.0	<0.0050	<0.0050	<0.0050	<0.0050
<b>Sidewall Soil Samples</b>							
E1-NW1	Nov. 90	---	4,400	15	140	58	290
E1-EW1	Nov. 90	---	7,800	41	300	110	380
E1-EW2	Nov. 90	---	1,300	3.9	28	13	65
E1-EW3	Nov. 90	---	600	1.7	12	6.5	32
E1-SW1	Nov. 90	---	ND	0.022	ND	ND	ND
E1-SW2	Nov. 90	---	410	1.3	5.9	7.2	32
E1-SW3	Nov. 90	---	1,400	7.0	41	26	120
E2-EW1	Nov. 90	---	ND	ND	ND	ND	ND
E2-EW2	Nov. 90	---	ND	ND	ND	ND	ND
E2-SW1	Nov. 90	---	380	0.30	5.4	4.8	22
E3-SW1	Nov. 90	---	450	1.5	11	8.0	32
E4-SW1	Feb. 91	---	280	0.60	6.5	5.5	25
E4-SW2	Feb. 91	---	210	1.3	4.7	4.2	17
E4-WW1	Feb. 91	---	5.3	0.0050	0.0070	0.023	0.036
E4-WW2	Feb. 91	---	ND	0.029	ND	ND	ND
E4-WW3	Feb. 91	---	200	0.82	2.5	3.4	18
E5-NW1	Feb. 91	---	260	1.5	3.9	7.4	34
E5-NW2	Feb. 91	---	130	1.4	6.9	3.6	18

**TABLE 1**  
**CUMULATIVE SOIL ANALYTICAL RESULTS**  
Former Mobil Service Station 10-HMG  
1203 Mission Street  
Santa Cruz, California  
(Page 3 of 4)

Sample Location	Date Sampled	Depth (fbgs)	TPHg (mg/Kg)	B (mg/Kg)	T (mg/Kg)	E (mg/Kg)	X (mg/Kg)
E6-NW1	Feb. 91	---	150	1.2	5.5	2.9	13
E6-WW1	Feb. 91	---	1,100	9.0	56	21	110
<b>Composite Soil Samples</b>							
AP-1	Nov. 90	---	180	0.017	0.12	0.21	2.9
AP-2	Nov. 90	---	130	ND	0.14	0.20	1.4
AP-3	Nov. 90	---	140	0.010	0.12	0.27	2.8
AP-4	Nov. 90	---	210	ND	0.78	1.2	8.6
AP-5	Nov. 90	---	2.6	ND	ND	0.0060	0.0090
AP-6	Nov. 90	---	160	ND	ND	0.28	3.7
AP-7	Nov. 90	---	180	ND	0.66	0.76	5.4
AP-8	Nov. 90	---	6.4	ND	ND	0.0090	0.0090
AP-9	Nov. 90	---	19	0.0060	0.021	0.029	0.13
AP-10	Nov. 90	---	50	0.011	0.021	0.037	0.74
AP-11	Nov. 90	---	90	0.0065	0.020	0.021	1.5
AP-12	Nov. 90	---	69	ND	ND	0.14	1.7
AP-13	Nov. 90	---	33	ND	0.014	0.027	0.46
AP-14	Nov. 90	---	49	ND	0.035	0.039	1.0
BP-1	Feb. 91	---	13	0.041	0.13	0.25	1.1
BP-2	Feb. 91	---	1.9	ND	0.006	0.022	0.039
BP-3	Feb. 91	---	3.8	0.013	0.016	0.023	0.051
BP-4	Feb. 91	---	3.6	ND	ND	ND	0.019
BP-5	Feb. 91	---	100	0.1	0.8	1.2	5.8
BP-6	Feb. 91	---	40	0.18	1.1	0.79	3.9
BP-7	Feb. 91	---	3.5	ND	0.0062	0.017	0.016
BP-8	Feb. 91	---	4.6	ND	0.0051	0.011	0.039
BP-9	Feb. 91	---	14	0.026	0.04	0.069	0.15
BP-10	Feb. 91	---	570	2	13	10	51
BP-11	Feb. 91	---	29	ND	0.06	0.15	0.92
BP-12	Feb. 91	---	35	0.033	0.13	0.27	1.3
BP-13	Feb. 91	---	25	ND	0.12	0.17	1
BP-14	Feb. 91	---	91	0.16	2.3	1.6	9.3
BP-15	Feb. 91	---	1,200	4.7	47	25	130
BP-16	Feb. 91	---	1.4	ND	0.005	0.016	0.031
BP-17	Feb. 91	---	1.1	ND	ND	0.005	0.027
BP-18	Feb. 91	---	300	1.3	14	6.6	35
BP-19	Feb. 91	---	260	ND	6.2	4.5	26
BP-20	Feb. 91	---	360	1.3	11	5.7	32
BP-21	Feb. 91	---	200	1.5	8.8	4.4	22
BP-22	Feb. 91	---	59	0.24	0.78	0.76	3.9
BP-23	Feb. 91	---	39	ND	0.32	0.44	2.7
BP-24	Feb. 91	---	230	ND	4.8	4.0	24
BP-25	Feb. 91	---	150	0.50	7.9	3.6	20
CP-1	Jan. 91	---	ND	ND	ND	ND	ND
CP-2	Jan. 91	---	ND	ND	ND	ND	ND
CP-3	Jan. 91	---	5	ND	ND	ND	14
CP-4	Jan. 91	---	8	ND	14	ND	37
CP-5	Jan. 91	---	ND	ND	ND	ND	ND
CP-6	Jan. 91	---	ND	ND	ND	ND	ND
CP-7	Jan. 91	---	9.9	0.015	0.031	0.043	0.17
CP-8	Jan. 91	---	ND	ND	ND	ND	ND
CP-9	Jan. 91	---	ND	ND	ND	ND	ND
CP-10	Jan. 91	---	ND	ND	ND	ND	ND
CP-11	Jan. 91	---	1.5	ND	ND	0.012	0.021
CP-12	Jan. 91	---	2.3	ND	0.014	0.014	0.023
CP-13	Jan. 91	---	9.0	ND	0.0072	0.023	0.014
CP-14	Jan. 91	---	2.2	ND	ND	ND	ND
CP-15	Jan. 91	---	ND	ND	ND	ND	ND
CP-16	Jan. 91	---	ND	ND	ND	ND	ND

**TABLE 1**  
**CUMULATIVE SOIL ANALYTICAL RESULTS**  
Former Mobil Service Station 10-HMG  
1203 Mission Street  
Santa Cruz, California  
(Page 4 of 4)

Sample Location	Date Sampled	Depth (fbgs)	TPHg (mg/Kg)	B (mg/Kg)	T (mg/Kg)	E (mg/Kg)	X (mg/Kg)
DP-1	Mar. 91	---	2.7	ND	0.028	0.0090	0.012
DP-2	Mar. 91	---	ND	ND	0.0090	ND	ND
DP-3	Mar. 91	---	27	0.058	0.19	0.12	0.8
DP-4	Mar. 91	---	5	0.014	0.042	0.017	0.073
DP-5	Mar. 91	---	100	0.25	0.33	ND	1.8
DP-6	Mar. 91	---	96	0.32	0.66	0.41	7.1
DP-7	Mar. 91	---	19	0.06	0.065	ND	0.37
DP-8	Mar. 91	---	29	ND	0.15	ND	1.1
DP-9	Mar. 91	---	3.9	0.015	0.009	ND	0.02
DP-10	Mar. 91	---	80	0.055	0.36	0.12	1.3
DP-11	Mar. 91	---	1.6	0.015	0.023	ND	0.013
DP-12	Mar. 91	---	ND	ND	ND	ND	ND
DP-13	Mar. 91	---	8.9	0.043	0.13	0.036	0.23
DP-14	Mar. 91	---	8.9	90.042	0.085	0.065	0.30

**Notes:**

TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8020.
fbgs	=	Feet below ground surface.
mg/kg	=	Miligrams per kilogram.
*	=	Soil samples collected from the borings of monitoring wells MW1 through MW3 were stolen; soil analytical data unavailable.
a	=	Result reported as low to medium boiling point hydrocarbons.
b	=	Analytical methods not specified by previous consultant.

**TABLE 2**  
**CUMULATIVE SOIL VAPOR ANALYTICAL DATA**  
Former Mobil Service Station 10-HMG  
1203 Mission Street  
Santa Cruz, California  
(Page 1 of 1)

Boring #	Sample Date	Sample Depth (fbgs)	Peaks Prior to Benzene (ppm)	B (ppm)	T (ppm)	E (ppm)	X (ppm)	Unidentified Peaks (ppm)	Total Volatile HCs (ppm)
V1/A	09/08/88	5.5	22,000	730	1,700	240	1,190	16,000	41,000
V1/B	09/08/88	8.0	4,300	97	250	25	163	2,000	6,800
V2	09/08/88	5.5	21,000	1,300	2,500	500	2,750	18,000	47,000
V3/A	09/08/88	5.5	4	<1	<1	<1	<1	4	8
V4	09/08/88	5.5	6	1	4	<1	2	10	20
V5	09/08/88	7.0	6,700	590	1,400	100	500	4,000	13,000
V6	09/08/88	5.5	29	<1	<1	<1	<1	30	60
V7	09/08/88	5.5	4,200	220	230	20	74	1,700	6,900
V8/A	09/08/88	5.5	13	<1	2	<1	4	5	24
V8/B	09/08/88	7.0	12	<1	1	<1	<1	10	24
V9	09/08/88	5.5	3	<1	<1	<1	<1	5	8
V10	09/08/88	5.5	9	<1	2	<1	<1	3	14
V11	09/08/88	5.5	3,500	130	110	3	1	2,100	5,700
V12	09/08/88	7.0	<1	<1	<1	<1	<1	1	1
V13	09/08/88	5.5	3,500	260	500	84	314	2,800	7,600
V14	09/08/88	5.5	22,000	1,900	4,300	360	1,750	20,000	51,000
V15	09/08/88	5.5	12,000	180	430	<1	39	3,700	16,000
V16	09/08/88	5.5	39	2	2	<1	1	21	65
V17	09/08/88	5.5	6	<1	<1	<1	<1	<1	6
V18	09/08/88	5.5	26	<1	<1	<1	<1	1	26
V19	09/08/88	5.0	56	2	6	2	14	30	110
V3-B-W	09/08/88	8.0	400	240	270	30	144	<1	1,200

Notes: These data are from a report entitled, *Report of Investigation, Soil Vapor Contaminant Assessment, Mobil Service Station 10-HMG*, 1203 Mission Street, Santa Cruz, California, prepared by EA Engineering, Science, and Technology, Inc., Dated September 1988.

Peaks Prior to Benzene = Represents the sum of the responses in volt-seconds (V-sec) for all peaks eluting prior to benzene, proportioned to the calibrated V-sec response for benzene. Analyzed using Method 24.

BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed using Method 24.

Total Volatile HCs = Represents the sum of all V-sec responses, proportioned to that for benzene. Analyzed using Method 24.

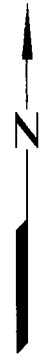
fbgs = Feet below ground surface.

ppm = Parts per million.



**TABLE 3**  
**LIST OF LANDOWNERS WITHIN A 200-FOOT RADIUS**  
Former Mobil 10-HMG  
1203 Mission Street  
Santa Cruz, California  
(Page 1 of 1)

Address	Parcel #	Owner	Mailing Address	Land Use	
1138 Laurel St.	006-493-23	Anthony Aprile	216 Bayona Dr., Santa Cruz, CA 95060	Residential	
1144 Laurel St.	006-493-24	Michael & Jamie Andres-Larsen	1144 Laurel St., Santa Cruz, CA 95060	Residential	
1129 Mission St.	006-493-27	Richard Alderson	4542 Arana Creek Way, Santa Cruz, CA 95065	Store	"Emily's Bakery"
1119 Mission St.	006-493-28	DDM Investments	1119 Mission St., Santa Cruz, CA 95062	Residential/Office	
1218 Mission St.	006-192-24	James J. Kelly	3745 Mission Dr., Santa Cruz, CA 95065	Commercial/Multi	Video Store/Dry Cleaners/Restaurant
1204 Mission St.	006-192-27	Jun Sheng Chang, et al.	98 Little creek Rd., Soquel, CA 95073	Grocery Store	"La Esperanza Grocery"
1212 Mission St.	006-192-26	Jun Sheng Chang, et al.	98 Little creek Rd., Soquel, CA 95073	Commercial	Parking Lot
1130 Mission St.	006-203-25	Breton Carr	P.O. Box 13, Creston, CA 93432	Commercial-Grocery	"Herb Room Natural Food"
1132 Mission St.	006-203-24	Breton Carr	P.O. Box 13, Creston, CA 93432	Commercial-Grocery	Food Bin Grocery
1212 Laurel St.	006-203-12	Douglas Martine	1212 Laurel St., Santa Cruz, CA 95060	Residential	
1221 Mission St.	004-011-36	Stagnara Brothers Investment Co.	1402 Escalona Dr., Santa Cruz, CA 95060	Commercial	Muliple Use      Straw Hat Pizza/Parking
1211 Mission St.	004-011-37	Georganna Sampson Co-Trustees, et al	261 15th Ave., Santa Cruz, CA 95062	Office	Single Office
1141 Laurel St.	004-011-02	Ezzio & Helen Mazzei, Trustees	1141 Laurel St., Santa Cruz, CA 95060	Residence	Single Residence
1145 Laurel St.	004-011-01	Peter Cook, et al.	214 Jeter St., Santa Cruz, CA 95060	Residence	Single Residence
144 Van Ness Ave.	004-011-23	Yosi & Ayelet Almog	620 Almar Ave., Santa Cruz, CA 95060	Residence	Single Duplex
150 Van Ness Ave.	004-011-24	Antonio & James Anecito, executor	150 Van Ness Ave., Santa Cruz, CA 95060	Residence	Single Residence

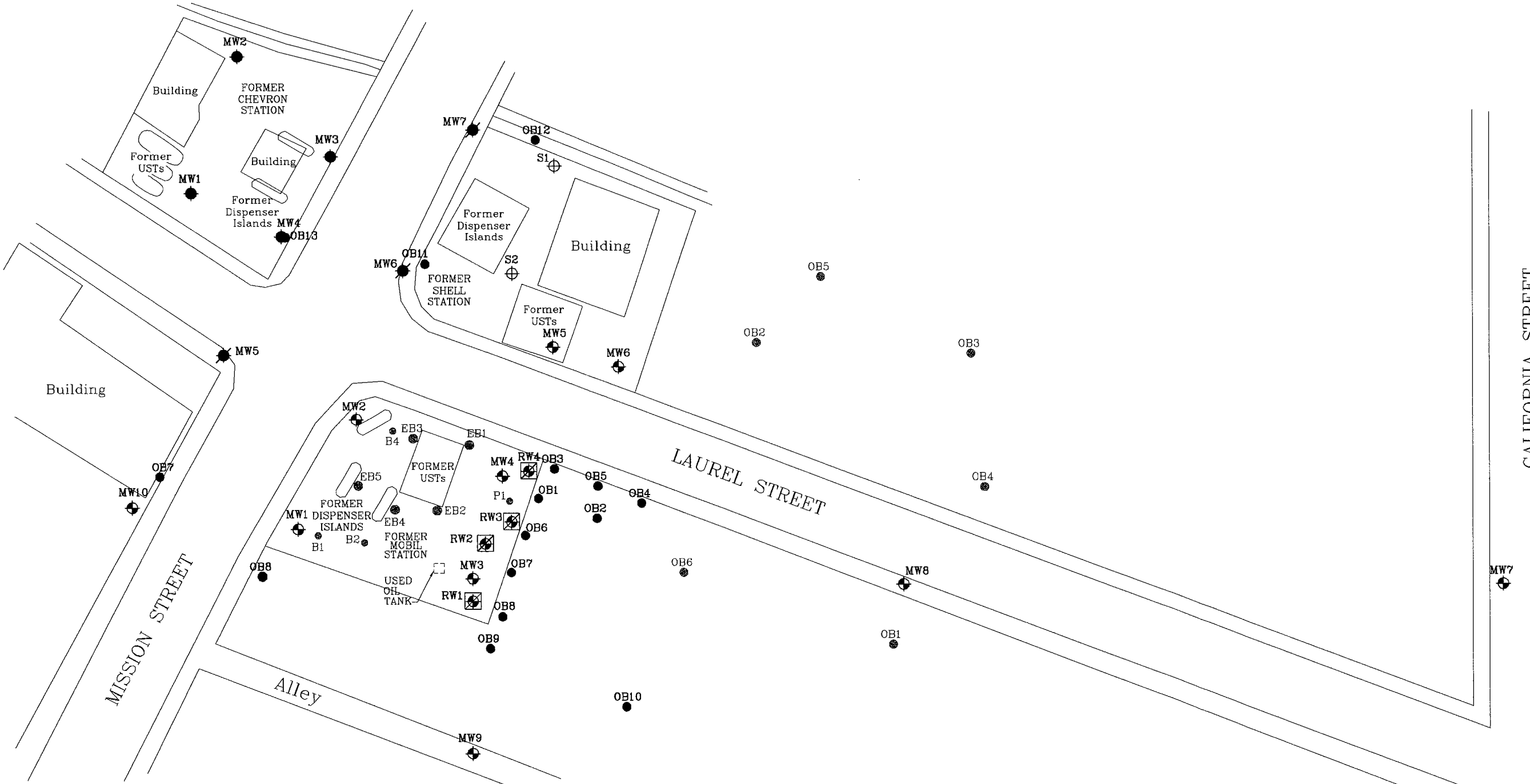


CALIFORNIA STREET

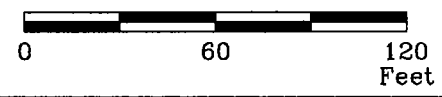
LAUREL STREET

MISSION STREET

Alley



APPROXIMATE SCALE



FN 25610002\_SP



### EXTENDED SITE PLAN

FORMER MOBIL SERVICE STATION 10-HMG  
1203 Mission Street  
Santa Cruz, California

#### EXPLANATION

- MW10 Mobil Groundwater Monitoring Well
- S2 Shell Groundwater Monitoring Well
- MW4 Chevron Groundwater Monitoring Well
- MW7 Destroyed Groundwater Monitoring Well
- UST = Underground Storage Tank

- RW4 Destroyed Groundwater Recovery Well
- EB5 Soil Boring
- OB6 Historical Soil Borings August 1989
- OB13 Historical Soil Borings March and Sept. 1990
- OB8 Historical Soil Borings March 1992

PROJECT NO.

2561

PLATE

1



FN 25610002\_SP



**SOIL VAPOR SAMPLE LOCATIONS  
(September 1988)**  
FORMER MOBIL SERVICE STATION 10-HMG  
1203 Mission Street  
Santa Cruz, California

**EXPLANATION**

- MW10 Mobil Groundwater Monitoring Well
- S2 Shell Groundwater Monitoring Well
- MW4 Chevron Groundwater Monitoring Well
- MW7 Destroyed Groundwater Monitoring Well
- RW4 Destroyed Groundwater Recovery Well
- V19 Soil Vapor Sampling Points September 1988
- UST = Underground Storage Tank

**PROJECT NO.**

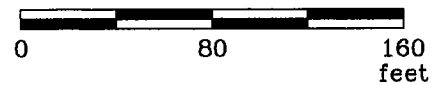
2561

**PLATE**

2



APPROXIMATE SCALE



FN 25610004\_SP



## LAND USE WITHIN 200-FOOT RADIUS

FORMER  
MOBIL SERVICE STATION 10-HMG  
1203 Mission Street  
Santa Cruz, California

## EXPLANATION

- MW4  
 Groundwater Monitoring Well
- MW7  
 Destroyed Groundwater Monitoring Well

- S2  
 Shell Groundwater Monitoring Well

- RW4  
 Destroyed Groundwater Recovery Well

PROJECT NO.

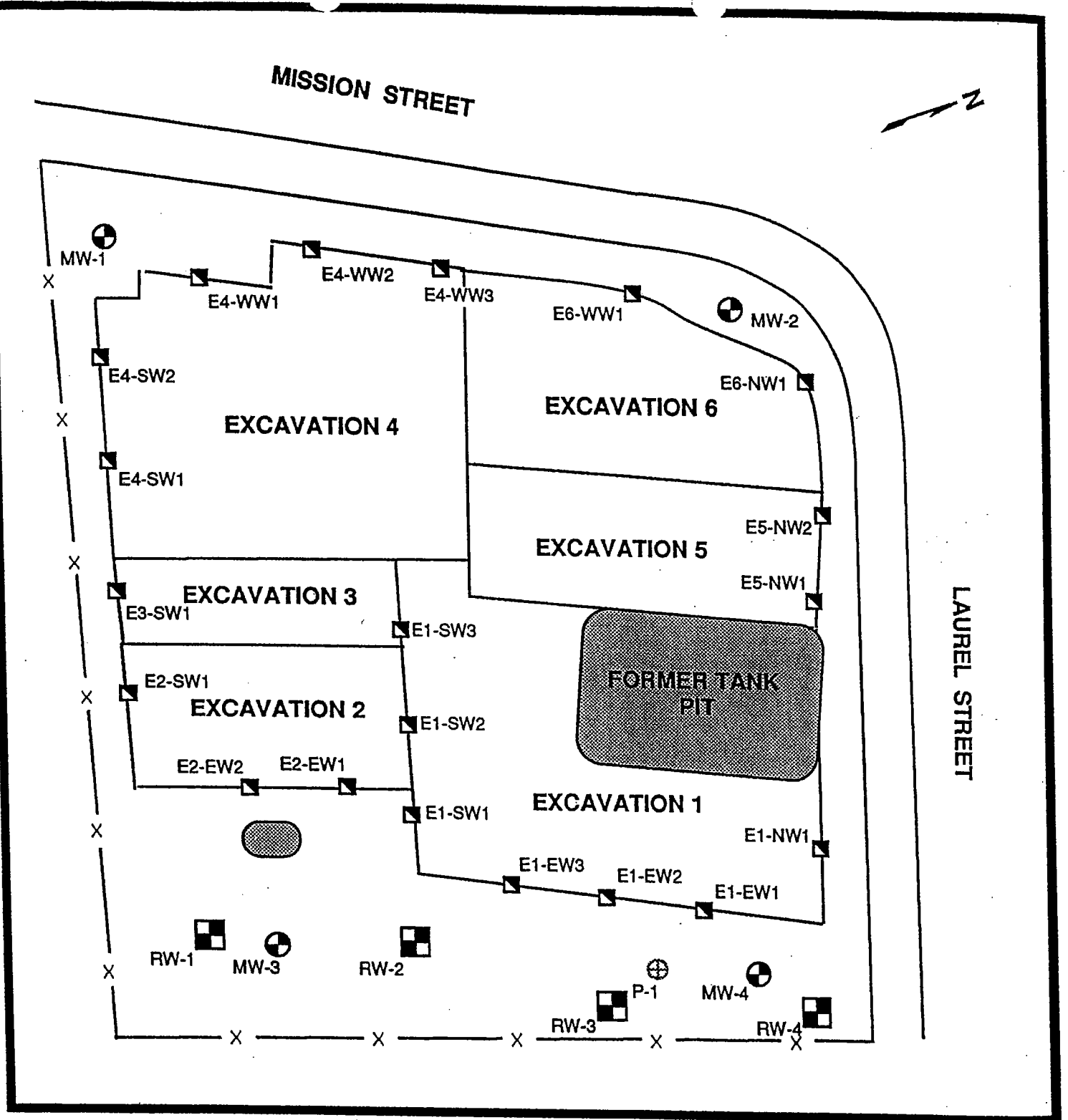
2561

PLATE






3

**ATTACHMENT A**

**SOIL SAMPLE LOCATIONS DURING 1990 TO 1991 EXCAVATION  
ACTIVITIES**



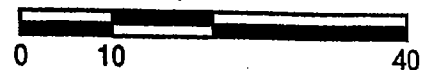
## LEGEND

- E2-EW1  Sample Location
- MW-4  Monitoring Well
- P-1  Piezometer
- RW-3  Recovery Well
-  Previously Excavated Soil

# EXCAVATION MAP

**MOBIL STATION #10-HMG**  
**1203 MISSION STREET**  
**SANTA CRUZ, CA**

SCALE (FEET)



**HARTCROWSER**

J-2533.00

Figure 2

2/91

**ATTACHMENT B**

**CASE CLOSURE SUMMARY FORM  
(UPDATED THIRD QUARTER 2005)**

**CASE CLOSURE SUMMARY**  
Leaking Underground Fuel Storage Tank Program

**I. Agency Information**

<b>Agency Name:</b> RWQCB - Central Coast Region	<b>Address:</b> 895 Aerovista Place, Suite 101
<b>City/State/Zip:</b> San Luis Obispo, CA 93401-7906	<b>Phone:</b> (805) 542-4640
<b>Responsible Staff person:</b> Tom Sayles	<b>Title:</b> Associate Engineering Geologist

**II. Case Information**

<b>Site Facility Name:</b> Former Mobil Service Station 10-HMG		<b>RWQCB Case No.</b>
<b>Site Facility Address:</b> 1203 Mission Street, Santa Cruz, California		
<b>Responsible Parties</b>	<b>Address</b>	<b>Phone Number</b>
ExxonMobil Oil Corporation	4096 Piedmont Avenue #194, Oakland, California 94611	(510) 547-8196
<b>Property Owner</b>		
The Lopina Partners	360 Kiely Boulevard #220, San Jose, California 95129	

**III. Tank Information**

<b>Tank #</b>	<b>Size in Gallons</b>	<b>Contents</b>	<b>Closed in Place/Removed</b>	<b>Date</b>
1	10,000	Gasoline	Removed	July 1990
2	10,000	Gasoline	Removed	July 1990
3	10,000	Gasoline	Removed	July 1990
4	1,000	Used Oil	Removed	July 1990
5				

**IV. Release and Site Characterization Information**

Cause and Type of Release: Unknown		
Site Characterization Complete? Yes		Date Approved by Oversight Agency: NA
Monitoring Wells Installed? Yes	Number: 10	Proper Screened interval? Yes
Highest GW Depth Below Ground Surface: 1.85 feet	Lowest: 12.10 feet	Flow Direction: East
Most Sensitive Current GW Use: Domestic		
Are Drinking Water Wells Affected? No	Aquifer Name: West Santa Cruz Terrace Groundwater Basin	
Is Surface Water Affected? No	Nearest affected SW name: NA	
Off-site Beneficial Use Impacts (addresses/locations): NA		



**CASE CLOSURE SUMMARY**  
Leaking Underground Storage Tank Program

Page 2

**V. Treatment/Disposal Methods (Attach any additional information)**

Material	Amount (Include Units)	Action (Treatment or Disposal Method)	Date
<b>Tanks</b>	(3) 10,000-gallon single-walled steel gasoline  (1) 1,000-gallon single-walled steel used oil	Not Available	July 1990
<b>Piping</b>	Approximately 500 feet single-walled steel	Not Available	July 1990
<b>Free Product</b>	NA	NA	NA
<b>Soil</b>	Approximately 2,700 cubic yards	Treated on site with ex-situ soil vapor extraction system, then transported and disposed at a local Class III landfill.	November 1990 to March 1991
<b>Ground Water</b>	2,159,347 gallons	Treated on site and discharged under permit to the local sanitary sewer system	July 1991 through August 1996

**Maximum Documented Contaminant Concentrations--Before and After Cleanup**

Contaminant	Soil (mg/kg)		Water (µg/L)		Contaminant	Soil (mg/kg)		Water (µg/L)	
	Before	After	Before	After		Before	After	Before	After
<b>TPH (Gas)</b>	7,800	51	260,000	959*	<b>1,2-DCA</b>	NA	NA	NA	<0.50**
<b>TPH (Diesel)</b>	NA	NA	NA	NA	<b>Oil &amp; Grease</b>	NA	NA	NA	NA
<b>Benzene</b>	51	0.01	5,100	7.42*	<b>Lead</b>	NA	NA	NA	NA
<b>Toluene</b>	320	0.036	8,100	4.26*	<b>MTBE</b>	NA	NA	NA	3.41*
<b>Ethylbenzene</b>	110	0.063	3,300	13.4*	<b>Other</b>				
<b>Xylenes</b>	510	1.2	14,000	15.6*					

**Comments:** \* = Maximum documented contaminant concentration detected during the third quarter 2005

sampling event in on-site wells MW1 through MW4 only. \*\* = Analyzed annually during first quarter;

maximum contaminant concentration detected during the first quarter 2005 sampling event in on-site wells

MW1 through MW4 only.



**CASE CLOSURE SUMMARY**  
Leaking Underground Storage Tank Program

Page 4

**IX. Regional Board Certification**

<b>Signature of Executive Officer</b>	<b>Date:</b>
---------------------------------------	--------------

2/11/03

**X. Additional Information (to be attached to this report)**

**1. Listing of Reports**

Please include a list of all investigative reports, including reports prepared for financial institutions such as Phase I Environmental Assessments, all monitoring data, corrective action alternatives analyses, and other consultant reports. If a report on the list has not been previously submitted to the Regional Board, please submit the report with this form.

**On or attached to the list must be the following statement, with the dated signature of the responsible party or his agent:**

“I attest, under penalty of perjury, in accordance with Water Code section 13267, the following documents constitute the complete list of documents pertaining to waste discharged, hydrogeology and other information directly relevant to the characterization and cleanup of the waste discharged at the subject site.”

The following items are optional as applicable to the review of the site for closure:

**2. Extent of Soil Contamination**

- a) Maps showing the extent of soil degradation by chemicals of concern in excess of guidelines, before and after remediation.
- b) Geologic log of the most highly degraded soil boring or monitoring well showing sample points with a list of contaminant concentrations.
- c) Summary table of all historic soil sampling results.

**3. Extent of Ground Water Contamination**

- a) Maps showing the extent of ground water degradation in excess of detection limits for chemicals of concern, before and after remediation.
- b) Geologic logs, including construction, for all wells.
- c) Representative geologic log identifying all aquifers.
- d) Two intersecting cross-sections of the site.
- e) Summary table of all historic ground water analyses and water levels.

**LIST OF INVESTIGATIVE REPORTS**

Former Mobil Service Station 10-HMG

1203 Mission Street

Santa Cruz, California

(Page 1 of 3)

"I attest, under penalty of perjury, in accordance with Water Code section 13267, the following documents constitute the complete list of documents pertaining to waste discharged, hydrogeology and other information directly relevant to the characterization and cleanup of the waste discharged at the subject site."

Signed



Jennifer C. Sedlachek

1-19-06

Date

Exxon Mobil Refining &amp; Supply - Global Remediation

Date	Document Name	Prepared By	Prepared For
------	---------------	-------------	--------------

**Assessment Reports**

07/26/88	Results of Exploratory Soil Borings	KEI	Mobil
09/12/88	Report of Investigation, Soil Vapor Contaminant Assessment	EA	KEI
01/26/89	Preliminary Ground Water Investigation	KEI	Mobil
09/14/89	Progress Report	Hart Crowser	Mobil
10/24/89	Interim Report	Hart Crowser	Mobil
11/07/90	Supplemental Offsite Assessment	Hart Crowser	Mobil
05/20/92	Supplemental Assessment	Hart Crowser	Mobil
06/18/92	Historical Records Search	Hart Crowser	Mobil
10/16/96	Results of Sensitive Receptors Survey	Alisto	Mobil

**Quarterly Progress Reports**

01/15/91	Quarterly Progress Report	Hart Crowser	Mobil
04/09/91	Quarterly Progress Report	Hart Crowser	Mobil
07/12/91	Quarterly Progress Report	Hart Crowser	Mobil
10/14/91	Quarterly Progress Report	Hart Crowser	Mobil
01/09/92	Quarterly Progress Report	Hart Crowser	Mobil
10/15/92	Quarterly Progress Report	Hart Crowser	Mobil
01/14/93	Quarterly Progress Report	Hart Crowser	Mobil
04/08/93	Quarterly Progress Report	Hart Crowser	Mobil
07/09/93	Quarterly Progress Report	Hart Crowser	Mobil
10/08/93	Quarterly Progress Report	Hart Crowser	Mobil
01/11/94	Quarterly Progress Report	Hart Crowser	Mobil
04/15/94	Quarterly Progress Report	Hart Crowser	Mobil
11/23/94	Groundwater Monitoring and Sampling Report	Alisto	Mobil
01/18/95	Groundwater Monitoring and Sampling Report	Alisto	Mobil
03/08/95	Groundwater Monitoring and Sampling Report	Alisto	Mobil
06/26/95	Groundwater Monitoring and Sampling Report	Alisto	Mobil
08/11/95	Groundwater Monitoring and Sampling Report	Alisto	Mobil
10/12/95	Quarterly Progress Report, July through September 1995	Alton	Mobil
01/29/96	Quarterly Progress Report, Fourth Quarter 1995	Alton	Mobil
04/29/96	First Quarter 1996 Progress Report	Alton	Mobil
07/15/96	Second Quarter 1996 Progress Report	Alton	Mobil
10/10/96	Quarterly Progress Report, Third Quarter 1996	Alton	Mobil
01/20/97	Quarterly Progress Report, Fourth Quarter 1996	Alton	Mobil
04/15/97	Quarterly Progress Report, First Quarter 1997	Alton	Mobil
07/15/97	Quarterly Progress Report, Second Quarter 1997	Alton	Mobil
01/09/98	Joint Monitoring Report - Fourth Quarter 1997	RRM	Mobil/Chevron/Shell
04/08/98	Joint Monitoring Report - First Quarter 1998	RRM	Mobil/Chevron/Shell
04/15/98	Quarterly Progress Report, First Quarter 1998	Alton	Mobil
07/17/98	Joint Monitoring Report - Second Quarter 1998	RRM	Mobil/Chevron/Shell
10/13/98	Joint Monitoring Report - Third Quarter 1998	RRM	Mobil/Chevron/Shell
01/12/99	Joint Monitoring Report - Fourth Quarter 1998	RRM	Mobil/Chevron/Shell

**LIST OF INVESTIGATIVE REPORTS**  
Former Mobil Service Station 10-HMG  
1203 Mission Street  
Santa Cruz, California  
(Page 2 of 3)

Date	Document Name	Prepared By	Prepared For
04/19/99	Joint Monitoring Results - First Quarter 1999	RRM	Mobil/Chevron/Shell
07/16/99	Joint Monitoring Results - Second Quarter 1999	RRM	Mobil/Chevron/Shell
08/02/99	Addendum to Quarterly Progress Report	TRC-Alton	Mobil/Chevron/Shell
10/12/99	Joint Monitoring Results - Third Quarter 1999	RRM	Mobil/Chevron/Shell
01/10/00	Joint Monitoring Results - Fourth Quarter 1999	RRM	Mobil/Chevron/Shell
04/14/00	Joint Monitoring Results - First Quarter 2000	RRM	Mobil/Chevron/Shell
07/17/00	Joint Monitoring Results - Second Quarter 2000	RRM	Mobil/Chevron/Shell
10/12/00	Joint Monitoring Results - Third Quarter 2000	RRM	Mobil/Chevron/Shell
01/18/01	Joint Monitoring Results - Fourth Quarter 2000	RRM	Mobil/Chevron/Shell
04/03/01	Joint Monitoring Results - First Quarter 2001	RRM	Mobil/Chevron/Shell
07/05/01	Joint Monitoring Results - Second Quarter 2001	RRM	Mobil/Chevron/Shell
10/04/01	Joint Monitoring Results - Third Quarter 2001	RRM	Mobil/Chevron/Shell
12/21/01	Joint Monitoring Results - Fourth Quarter 2001	RRM	Mobil/Chevron/Shell
04/15/02	Joint Monitoring Results - First Quarter 2002	RRM	Mobil/Chevron/Shell
07/15/02	Joint Monitoring Results - Second Quarter 2002	RRM	ExxonMobil/Chevron/Shell
10/11/02	Joint Monitoring Results - Third Quarter 2002	RRM	ExxonMobil/Chevron/Shell
01/15/03	Joint Monitoring Results - Fourth Quarter 2002	RRM	ExxonMobil/ChevronTexaco/Shell
04/18/03	Joint Monitoring Results - First Quarter 2003	RRM	ExxonMobil/ChevronTexaco/Shell
07/20/03	Joint Monitoring Results - Second Quarter 2003	RRM	ExxonMobil/ChevronTexaco/Shell
10/23/03	Joint Monitoring Results - Third Quarter 2003	RRM	ExxonMobil/ChevronTexaco/Shell
02/10/04	Joint Monitoring Results - Fourth Quarter 2003	RRM	ExxonMobil/ChevronTexaco/Shell
04/27/04	Joint Monitoring Results - First Quarter 2004	RRM	ExxonMobil/ChevronTexaco/Shell
07/20/04	Joint Monitoring Results - Second Quarter 2004	RRM	ExxonMobil/ChevronTexaco/Shell
02/07/05	Joint Monitoring Results - Third Quarter 2004	RRM	ExxonMobil/ChevronTexaco/Shell
02/07/05	Joint Monitoring Results - Fourth Quarter 2004	RRM	ExxonMobil/ChevronTexaco/Shell
05/12/05	Joint Monitoring Results - First Quarter 2005	RRM	ExxonMobil/ChevronTexaco/Shell
09/15/05	Joint Monitoring Results - Second Quarter 2005	RRM	ExxonMobil/ChevronTexaco/Shell
	pending Joint Monitoring Results - Third Quarter 2005	RRM	ExxonMobil/ChevronTexaco/Shell
<b><u>Remediation Reports</u></b>			
03/29/91	Soil Remediation	Hart Crowser	Mobil
04/14/92	Remedial Evaluation Report	Hart Crowser	Mobil
01/14/93	Soil Vapor Extraction Test	Hart Crowser	Mobil
<b><u>Groundwater Discharge Reports</u></b>			
07/29/91	Semi-Annual Report	Hart Crowser	Mobil
01/29/92	Semi-Annual Report (July through December 1991)	Hart Crowser	Mobil
07/30/92	Semi-Annual Report (January through June 1992)	Hart Crowser	Mobil
01/14/93	Semi-Annual Report (July through December 1992)	Hart Crowser	Mobil
07/26/93	Semi-Annual Report (January through June 1993)	Hart Crowser	Mobil
01/26/94	Semi-Annual Report (July through December 1993)	Hart Crowser	Mobil
07/08/94	Semi-Annual Report (January through June 1994)	Hart Crowser	Mobil
01/20/95	Sewer Discharge Permit - Semi-Annual Report	Alisto	Mobil
07/07/95	Sewer Discharge Permit - Semi-Annual Report	Alisto	Mobil
01/08/96	Sewer Discharge Permit - Semi-Annual Report	Alisto	Mobil
07/08/96	Sewer Discharge Permit - Semi-Annual Report	Alisto	Mobil
09/16/96	Sewer Discharge Permit - Final Report	Alisto	Mobil

**LIST OF INVESTIGATIVE REPORTS**

Former Mobil Service Station 10-HMG

1203 Mission Street

Santa Cruz, California

(Page 3 of 3)

Date	Document Name	Prepared By	Prepared For
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**Closure Reports**

12/18/97	Well Abandonment Report	Alton	Mobil
02/02/00	Case Closure Evaluation	TRC-Alton	ExxonMobil
08/31/04	Supplemental Information Package and Recommendation...	ERI	ExxonMobil
03/11/05	Revised Request for Case Closure Package	ERI	ExxonMobil
	pending Additional Information for Case Closure	ERI	ExxonMobil

**Notes:**

Hart Crowser	= Hart Crowser, Inc.
Alisto	= Alisto Engineering Group
Alton	= Alton Geoscience
EA	= EA Engineering, Science, and Technology, Inc.
Mobil	= Mobil Oil Corporation
KEI	= Kaprealian Engineering, Inc.
TRC-Alton	= TRC-Alton Geoscience, Inc.
ExxonMobil	= ExxonMobil Oil Corporation
RRM	= RRM, Inc.
ERI	= Environmental Resolutions, Inc.

**ATTACHMENT C**  
**LIST OF LANDOWNERS (SITE)**

FORM LETTER: LIST OF LANDOWNERS

Date: October 17, 2005

MR. TOM SAYLES  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CALIFORNIA 93401-7906

SUBJECT: CERTIFIED LIST OF LANDOWNERS FOR

Former Mobil Service Station 10-HMG  
1203 Mission Street, Santa Cruz, California

In accordance with section 25297.15(a) of Chapter 6.7 of the California Health and Safety Code, I hereby certify that the following is a complete list of all record fee title owners and their mailing addresses for the site captioned above:

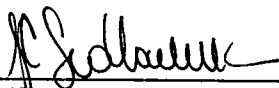
NAME

MAILING ADDRESS

The Lopina Partners

360 Kiely Boulevard #220  
San Jose, California 95129

Sincerely,



Jennifer Sedlachek  
Exxon Mobil Refining and Supply – Global Remediation



**ATTACHMENT D**  
**LANDOWNER NOTIFICATION LETTER**

**ExxonMobil**  
**Refining & Supply Company**  
Global Remediation  
4096 Piedmont Avenue #194  
Oakland, California 94611  
510.547.8196  
510.547.8706 Fax  
jennifer.c.sedlachek@exxonmobil.com

Jennifer C. Sedlachek  
Project Manager

**ExxonMobil**  
*Refining & Supply*

October 27, 2005

Mr. Tom Sayles  
California Regional Water Quality Control Board  
Central Coast Region  
895 Aerovista Place, Suite 101  
San Luis Obispo, California 93401-7906

**RE: Former Mobil 10-HMG/1203 Mission Street, Santa Cruz, California.**

Dear Mr. Sayles:

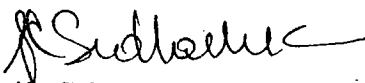
ExxonMobil Oil Corporation (ExxonMobil) has directed environmental consultants to characterize soil and groundwater conditions for the environmental case at the above-referenced site. With the approval of the California Regional Water Quality Control Board, Central Coast Region (Regional Board), Environmental Resolutions, Incorporated (ERI) performed environmental investigations to evaluate soil and groundwater conditions beneath and downgradient of the site. The results of these investigations show that residual petroleum hydrocarbons and associated constituents in soil and groundwater at the site do not present a risk to health or the environment. Therefore, at the request of ExxonMobil, ERI is pursuing closure of the environmental case with the Regional Board.

Upon approval of the Request for Case Closure by the Regional Board, ExxonMobil anticipates that the following work will be performed:

- Destruction of five groundwater monitoring wells currently associated with the site (MW1 through MW4 and MW7);
- Disposal of soil cuttings and rinsate water at appropriate facilities;
- Conveyance of wells MW5 and MW6 to the adjacent former Shell station;
- Conveyance of wells MW8, MW9, and MW10 to the adjacent dry cleaner facility; and
- Preparation and submittal of a report documenting the well destruction and well conveyance, and requesting that the Regional Board finalize closure of the environmental case at the site.

If you have any questions or comments, please contact me at 510.547.8196.

Sincerely,

  
Jennifer C. Sedlachek  
Project Manager

cc: Mr. John Mijares, California Regional Water Quality Control Board, Central Coast Region  
Ms. Paula Sime, Environmental Resolutions, Inc.  
The Lopina Partners, 360 Kiely Boulevard #220, San Jose, California 95129